Appln. No. 09/241,595 Amd. dated April 18, 2005 Reply to Office Action of November 17, 2004

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

enhancing a CTL response to a biologically active molecule in a mammalian subject in need of <u>such</u> CTL response stimulation and enhancement, comprising administering to said subject by injection into the body of said subject, in a manner so as to elicit a CTL response, an effective amount of a composition comprising the biologically active molecule, either entrapped within the interior of an HBsAg particle or exposed or present at the surface of an HBsAg particle <u>by incubating said HBsAg particle at a temperature of about 35°C to about 60°C in an aqueous medium in the presence of the biologically active molecule</u>, wherein said biologically active molecule is not covalently attached to said HBsAg particle, and wherein said CTL response is enhanced relative to that produced by the biologically active molecule alone.

2-3 (Canceled).

4 (Previously presented). The method of claim 1, wherein said biologically active molecule, when administered without said HBsAg particle, is substantially ineffective in producing a CTL response in said subject.

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5 (Original). The method of claim 1, wherein said
HBsAg particle is a recombinant HBsAg particle derived from a mammalian cell.

6 (Previously presented). The method of claim 1,

- 6 (Previously presented). The method of claim 1, wherein said biologically active molecule is an antigenic protein or peptide.
- 7 (Previously presented). The method of claim 6, wherein said antiquenic molecule is HIVenv/V3 peptide.
- 8 (Currently amended). The method of claim 1, wherein said composition further comprises, in addition to the biologically active molecule, an immunostimulating molecule entrapped within or exposed or present at the surface of said HBsAg particle.
- 9 (Previously Presented). The method of claim 8, wherein said immunostimulating molecule is a cytokine.
- 10 (Previously Presented). The method of claim 8, wherein said immunostimulating molecule is an immunostimulatory oligonucleotide.

Claims 11-16 (Canceled).

17 (Previously presented). A composition comprising an HBsAg particle, a biologically active molecule either entrapped within the interior of an HBsAg particle or exposed or present at the surface of an HBsAg particle, and an immunostimulating molecule either entrapped within the interior of said HBsAg

Appln. No. 09/241,595 Amd. dated April 18, 2005 Reply to Office Action of November 17, 2004 particle or exposed or present at the surface of said HBsAg particle, wherein said biologically active molecule is not covalently attached to said HBsAg particle. 18 (Previously presented). The composition of claim 17, wherein said biologically active molecule is an antigen. 19 (Previously presented). The composition of claim 18, wherein said biologically active molecule is HIVenv/K^d peptide. 20-21 (Canceled). 22 (Previously presented). The composition of claim 17, wherein said immunostimulating molecule is a cytokine. 23 (Previously presented). The composition of claim 17, wherein said immunostimulating molecule is an immunostimulatory oligonucleotide. 24 (Previously presented). The composition of claim 17, wherein said immunostimulating molecule is cholera toxin (CT) protein or staphylococcal enterotoxin B (SEB) protein. 25 (Original). The composition of claim 17, further comprising a glycolipid incorporated into the exterior surface of the lipid bilayer of said HBsAg particle. 26 (Previously presented). The composition of claim 17, wherein said composition is prepared by incubating said particle in an aqueous medium in the presence of said biologically active molecule and said immunostimulating molecule.

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27 (Currently Amended). A method of incorporating a biologically active molecule into an HBsAg particle, comprising a step of incubating said particle at between a temperature of about 35°C [[and]] to about 60°C in an aqueous medium in the presence of said molecule.

28 (Canceled).

29 (Previously presented). The method of claim 27, further comprising a step of incorporating a glycolipid into the exterior surface of said HBsAg particle.

30 (Previously presented). The method of claim 29, wherein said incorporating step comprises co-incubating said glycolipid with said HBsAg particles and said biologically active molecule.

31 (Previously presented). In a method of generating a CTL response to an antigenic molecule in a mammalian subject in need of CTL response generation, comprising administering by injection into the body of said subject, in a manner so as to elicit a CTL response, an effective amount of a composition which comprises an antigenic molecule, the improvement whereby the CTL response is enhanced, wherein said antigenic molecule is either entrapped within the interior of an HBsAg particle or exposed or present at the surface of an HBsAg particle, said antigenic molecule being not covalently attached to said HBsAg particle.

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32 (Previously presented). The method of claim 1, wherein said biologically active molecule is antigenic.

33 (Previously presented). The method of claim 1, wherein said injection is selected from the group consisting of intraperitoneal, subcutaneous, intravenous, and intramuscular injection.

Claim 34 (Canceled).

35 (Previously presented). The composition of claim 17, wherein said biologically active molecule is antigenic.